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TRANSMITTAL FORM (Do not be used for all correspondence after initial filing)	Application Number	09/943,859	
	Filing Date	Aug 30, 2001	
	First Named Inventor	Kyusik Sin	
	Group Art Unit	2652	
	Examiner Name		
Total Number of Pages in This Submission	4	Attorney Docket Number	1012-003 Technology Center 2600

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ENCLOSURES (check all that apply)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Mikio Ishimaru
Signature	<i>Mikio Ishimaru</i>
Date	July 18, 2002

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Docket No.: 1012-003
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of: Kyusik Sin, et al. : Confirmation No.: 2190
Serial No.: 09/943,859 : Group Art Unit: 2652
Filed: Aug 30, 2001 : Examiner:
For: SPIN-DEPENDENT TUNNELING
READ/WRITE SENSOR FOR HARD
DISK DRIVES

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In accordance with the provisions of 37 C.F.R. 1.56, 1.97, and 1.98 Applicants submit herewith patents, publications, or other information of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. The attention of the Patent and Trademark Office is hereby directed to the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits: whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
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- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form-1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO-1449 and is enclosed herewith.

Respectfully submitted,

Mikio Ishimaru

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